

Abstract**Control of the operating mode of an internal combustion engine**

- 5 The invention relates to a control method for controlling the operating mode of an IC engine, in which a control device comprises a device for sampling signals, a downstream arranged device for frequency analysis as well as a downstream arranged device for cylinder classification, in which at first a speed signal is detected and subsequently the speed signal is transformed into an angle-frequency-range, wherein the transformation is effected by means of a Hartley-transformation. The invention further relates to a device for controlling the operating mode of an IC engine of a motor vehicle by means of such method as well as an IC engine.
- 10

15

Fig. 1

U.S. GOVERNMENT MAIL
EV 511 C24 749 US
JANUARY 31 2005